

EMERGENCY SERVICES DIVISION BROOKHAVEN NATIONAL LABORATORY		Procedure No: FR-FPR-5.1.4 Revision No: 3 Page 1 of 3																																	
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<p align="center">EMERGENCY SERVICES DIVISION PROCEDURE BROOKHAVEN NATIONAL LABORATORY</p>	<p>Procedure No: FR-FPR-5.1.4</p>
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1.0 **PURPOSE:**

- 1.1 Serious consequences can result when fire protection systems are out of service. This procedure outlines management control measures to assure satisfactory safeguards and that interim fire protection measures are instituted as necessary during an impairment of a fire protection system.
- 1.2 For the purpose of this procedure a fire protection system is any system which functions to control or minimize the effects of fire. Examples of these systems are: the site "domestic" water system including wells, supply systems, pumping systems, distribution system, storage systems, sprinkler systems, standpipe systems, carbon dioxide and halon systems, fire alarm and supervisory systems, fire walls, fire doors, and fire dampers.

2.0 **RESPONSIBILITIES:**

- 2.1 The Duty Fire/Rescue Captain is responsible for ensuring that notifications and appropriate interim control measures are used during the period of an impairment to maintain potential fire losses to acceptable levels.

3.0 **DEFINITIONS:**

None

4.0 **PREREQUISITES:**

Examples of mandatory items for extended impairments. (Over 24 Hours)

- 4.1 Fire doors and other unaffected protective systems should be specifically inspected to be sure they will operate if called upon. Verify the status with a review of the impairment log.
- 4.2 Hazardous operations (e.g., using flammable liquids) should be shut down. Cutting/Welding or other hot work should be prohibited.
- 4.3 The ES&H Coordinator should be notified and given guidance to inform the building occupants regarding appropriate actions (e.g., use X 2222 or 911 if Site Fire Alarm System is out of service).
- 4.4 Notify Fire Chief of problem status. Consult with Fire Protection Engineering Team for further guidance.

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5.0 **PRECAUTIONS:**

5.1 Examples of interim protection equivalent to impaired protection.

Impairment

- A. Loss of Site Fire Alarm System to a facility.
- B. Loss of incoming water supply to a sprinklered facility.
- C. Loss of local fire alarm coverage.

Interim Equivalency

- External hourly patrols.
- Connecting from a hydrant to a FDC.
- Notify building occupants if occupied or perform internal inspection if unoccupied.

6.0 **PROCEDURE:**

- 6.1 In the event of an unplanned impairment to a fire protection system the Duty Fire/Rescue Captain is to immediately request repair services through the Site Supervisor or the Maintenance Management Center.
- 6.2 The Duty Fire/Rescue Captain is to ensure that appropriate interim protection measures are being provided by the BNL support groups. (e.g., Fire Patrols by building occupants, external patrols by Security, provision of alternate water supplies by Water Treatment). Appropriate fire patrols, fire watches and/or other special measures within the capabilities of the Fire/Rescue Group, should be provided without impacting the minimum emergency response capabilities of the Group.

7.0 **IMPLEMENTATION AND TRAINING**

None

8.0 **REFERENCES:**

None

9.0 **ATTACHMENTS**

None

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